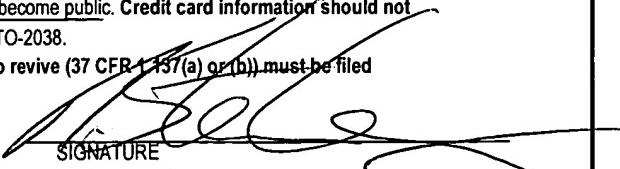


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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> 22S01.1-021
INTERNATIONAL APPLICATION NO. PCT/US03/030548	INTERNATIONAL FILING DATE 29 September 2003	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107529276</b>
TITLE OF INVENTION PARTICLE ACCELERATOR HAVING WIDE ENERGY CONTROL RANGE		
APPLICANT(S) FOR DO/EO/US ZAVADTSEV, Alexandre A.; BOWSER, Gary F.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A preliminary amendment.</li> <li><input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information: Certificate of Express Mailing, Check No. 11458 for \$300.00 and Return Receipt Postcard</li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/US03/030548		ATTORNEY'S DOCKET NUMBER 22S01.1-021	
The following fees are submitted: 21. <input checked="" type="checkbox"/> Basic national ..... \$300 22. <input checked="" type="checkbox"/> Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100 All other situations ..... \$200				CALCULATIONS	PTO USE ONLY
				\$ 300	
				\$ 200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared and provided in the Office ..... \$400 All other situations ..... \$500				\$ 100	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 600</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =	0/50 =			x \$250	\$ 0
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	7 - 20 =	0	x \$50	\$ 0	
Independent claims	2 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
				<b>TOTAL OF ABOVE CLAIMS =</b>	<b>\$ 600</b>
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				\$ 300	
				<b>SUBTOTAL =</b>	<b>\$ 300</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
				<b>TOTAL NATIONAL FEE =</b>	<b>\$ 300</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
				<b>TOTAL FEES ENCLOSED =</b>	<b>\$ 300</b>
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/>	A check in the amount of \$ 300.00 to cover the above fees is enclosed.				
b. <input type="checkbox"/>	Please charge my Deposit Account No. in the amount of \$ to cover the above fees.				
A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1513. A <u>duplicate copy of this sheet</u> is enclosed.				
d. <input type="checkbox"/>	Fees are to be charged to a credit card. <u>WARNING: Information on this form may become public. Credit card information should not be included on this form.</u> Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.157(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: R. Stevan Coursey Gardner Groff, P.C. 100 Parkwood Point, 2018 Powers Ferry Road, Suite 800 Atlanta, GA 30339					
 SIGNATURE R. Stevan Coursey NAME 39,949 REGISTRATION NUMBER					

<b>CHANGE OF CORRESPONDENCE ADDRESS <i>Application</i></b>  Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.	Application Number	Filed Herewith <b>10/529276</b>
	Filing Date	March 25, 2005
	First Named Inventor	ZAVADTSEV, Alexandre A.
	Art Unit	Unassigned
	Examiner Name	Unassigned
Attorney Docket Number	22S01.1-021	

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I am the :

- Applicant/Inventor.
- Assignee of record of the entire interest.  
Certificate under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).
- Attorney or agent of record. Registration Number 39,949.
- Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_

Signature



Typed or Printed  
Name

R. Stevan Coursey

Date

March 25, 2005

Telephone 770-984-2300

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JC02 Rec'd PCT/PTC 25 MAR 2005

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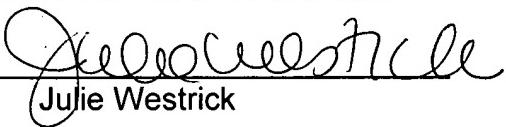
Atty. Docket No.: 22S01.1-021  
PATENT

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on **March 25, 2005**.

Express Mail No. **EV654925385US**

Signature:

  
Julie Westrick

**Enclosed are the following documents:**

1. Transmittal Letter to DO/EO/US (2 pages)
2. Copy of Transmittal Letter 2<sup>nd</sup> Page (1 page)
3. Application Data Sheet (4 pages)
4. Declaration (1 page)
5. Change of Address Form (1 page)
6. Check No. 11458 for \$300.00
7. Return Receipt Postcard

**GARDNER GROFF, P.C.**  
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Atlanta, Georgia 30339  
Tel: (770) 984-2300  
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